

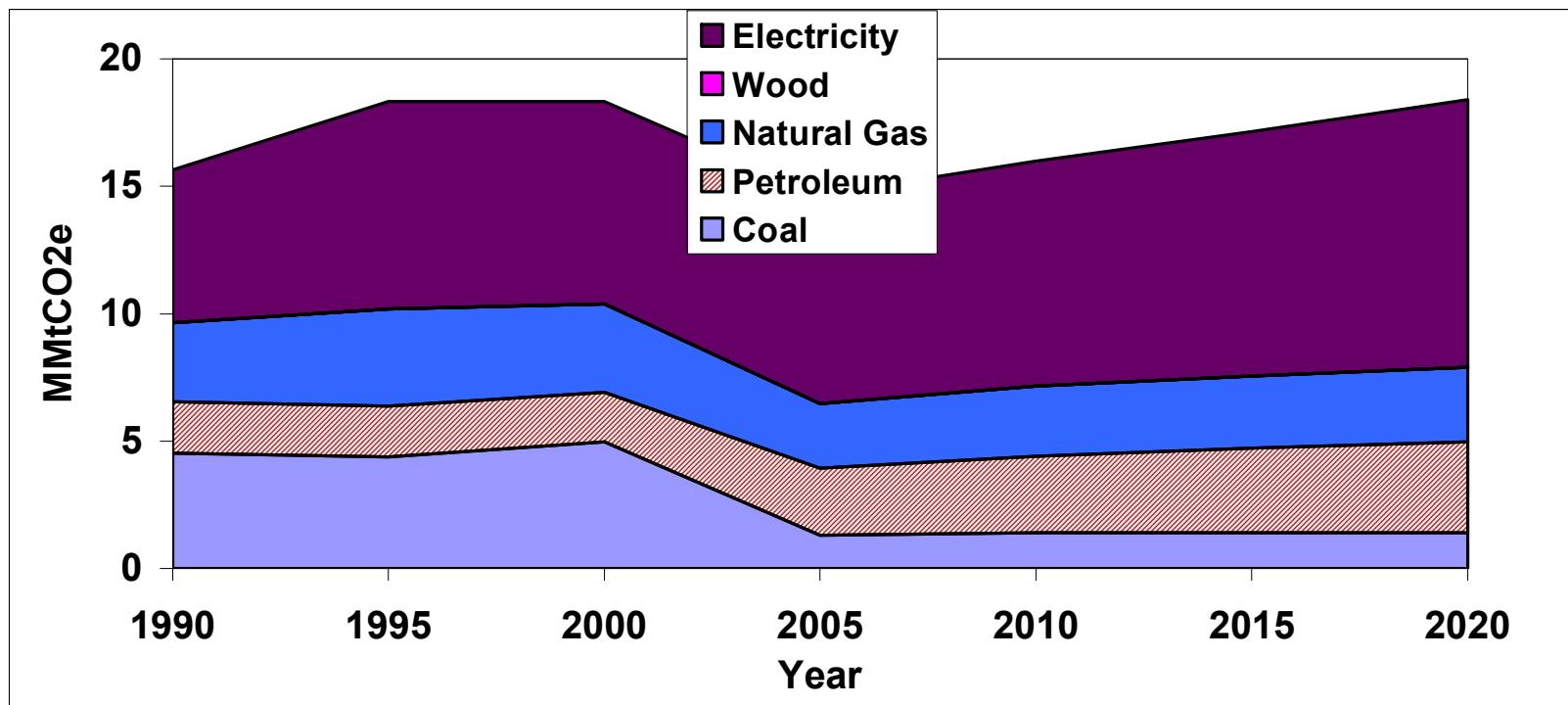
# GHG Emissions and Strategies: Industrial Sector



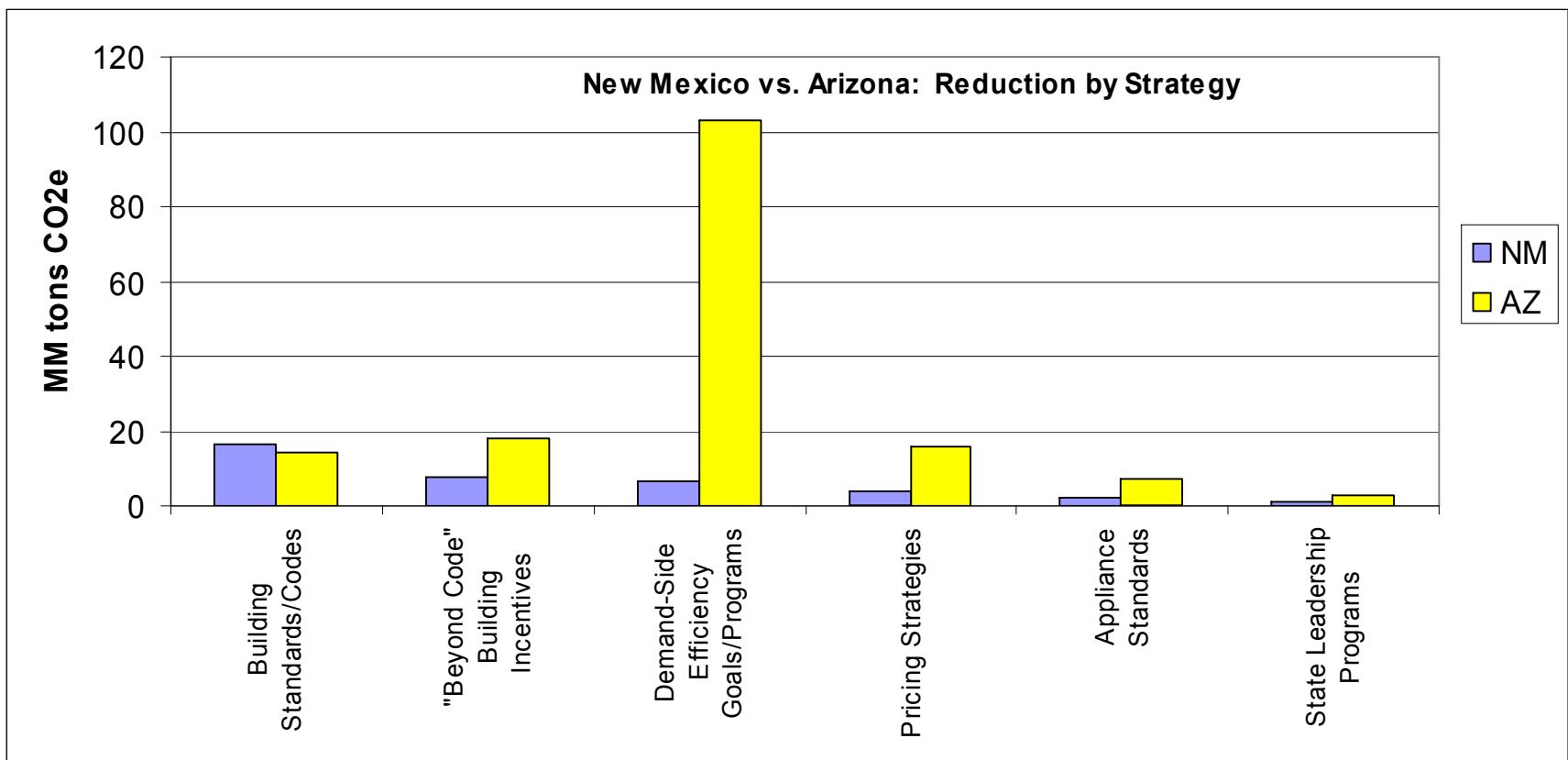
February 27, 2007

# GHG Emissions – Industrial Sector

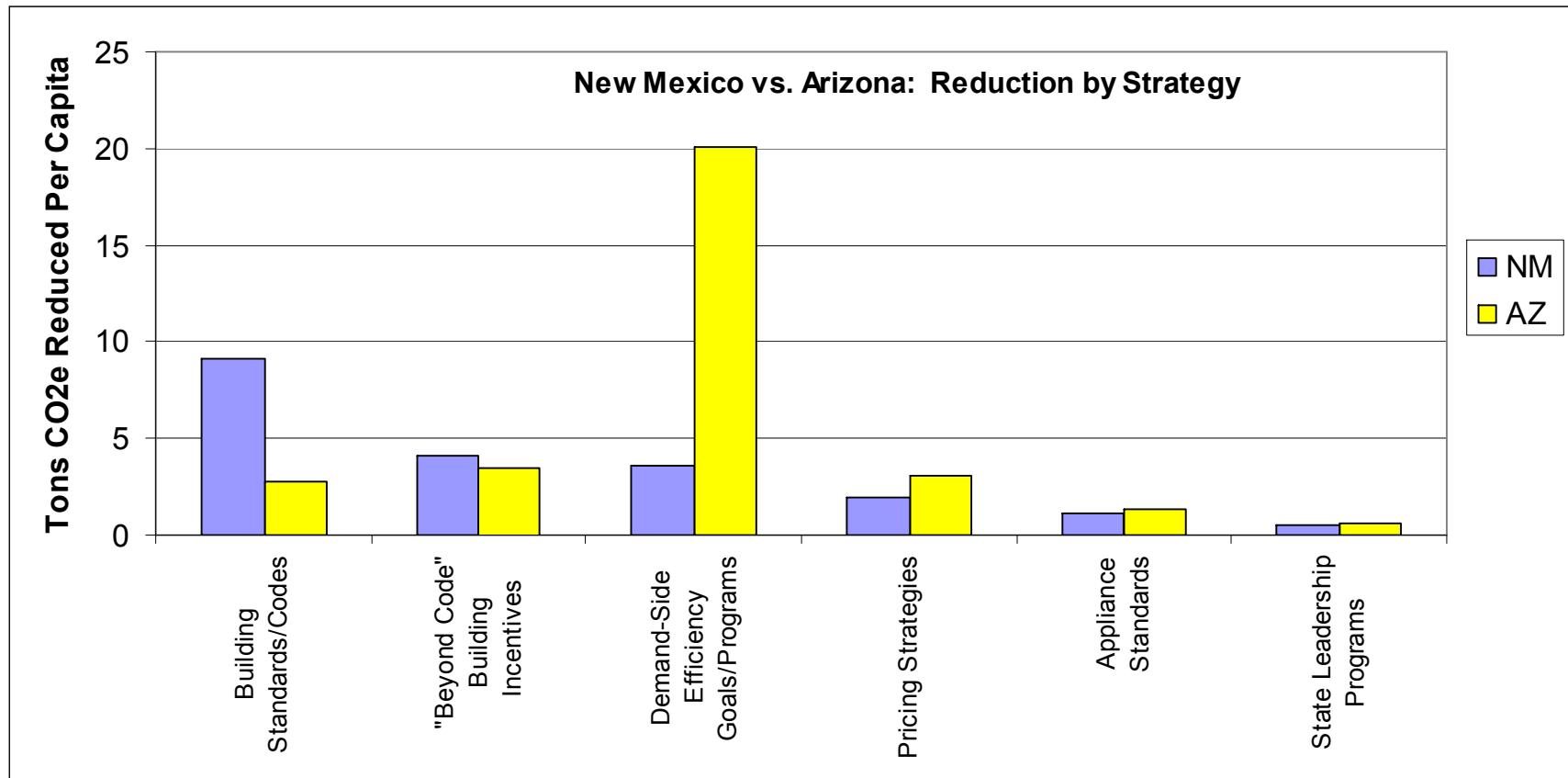
**Figure B3. Industrial Sector GHG Emissions from Fuel Consumption, 1990-2020**



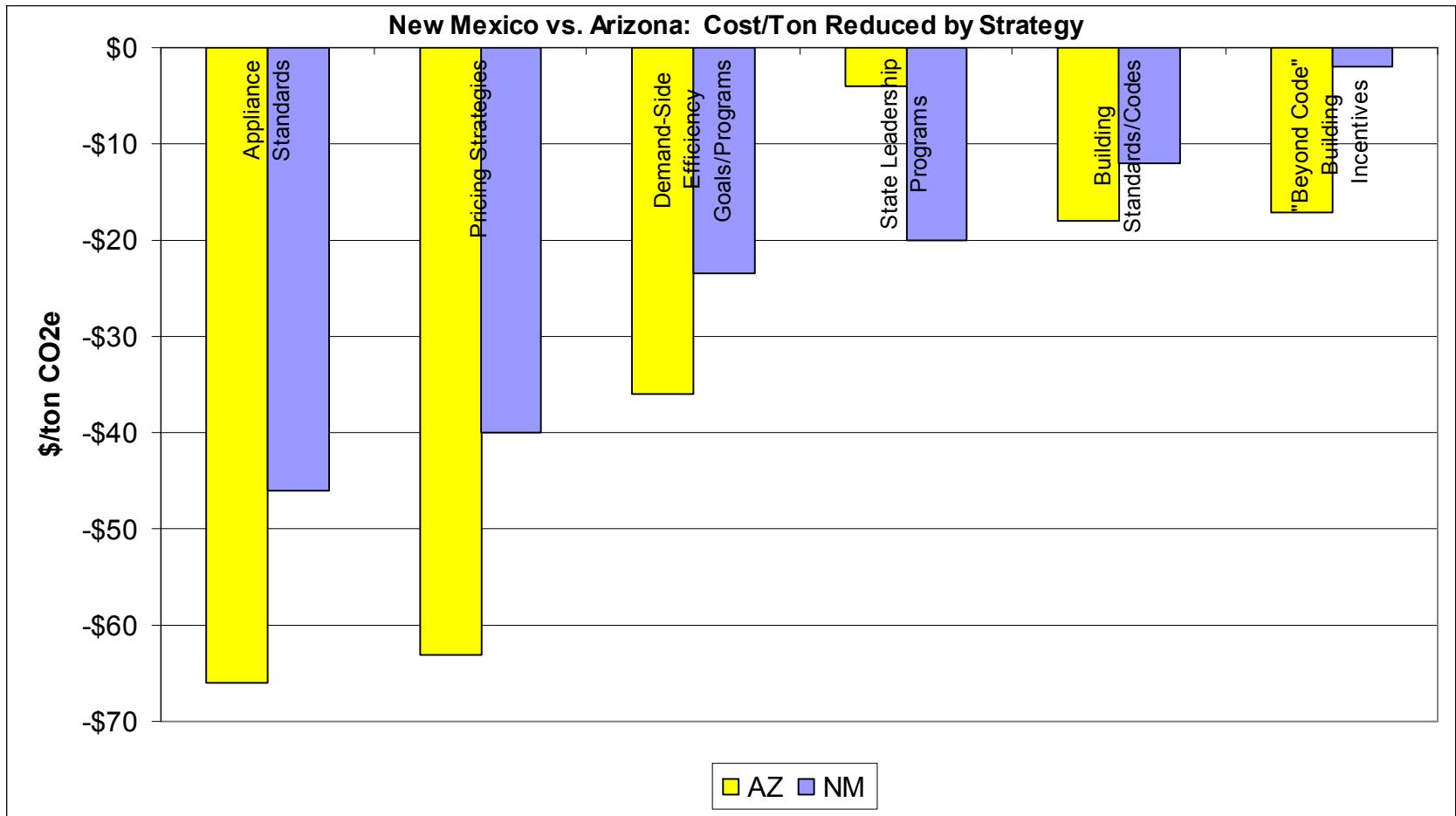
# NM vs. AZ: GHG Reductions by Strategy



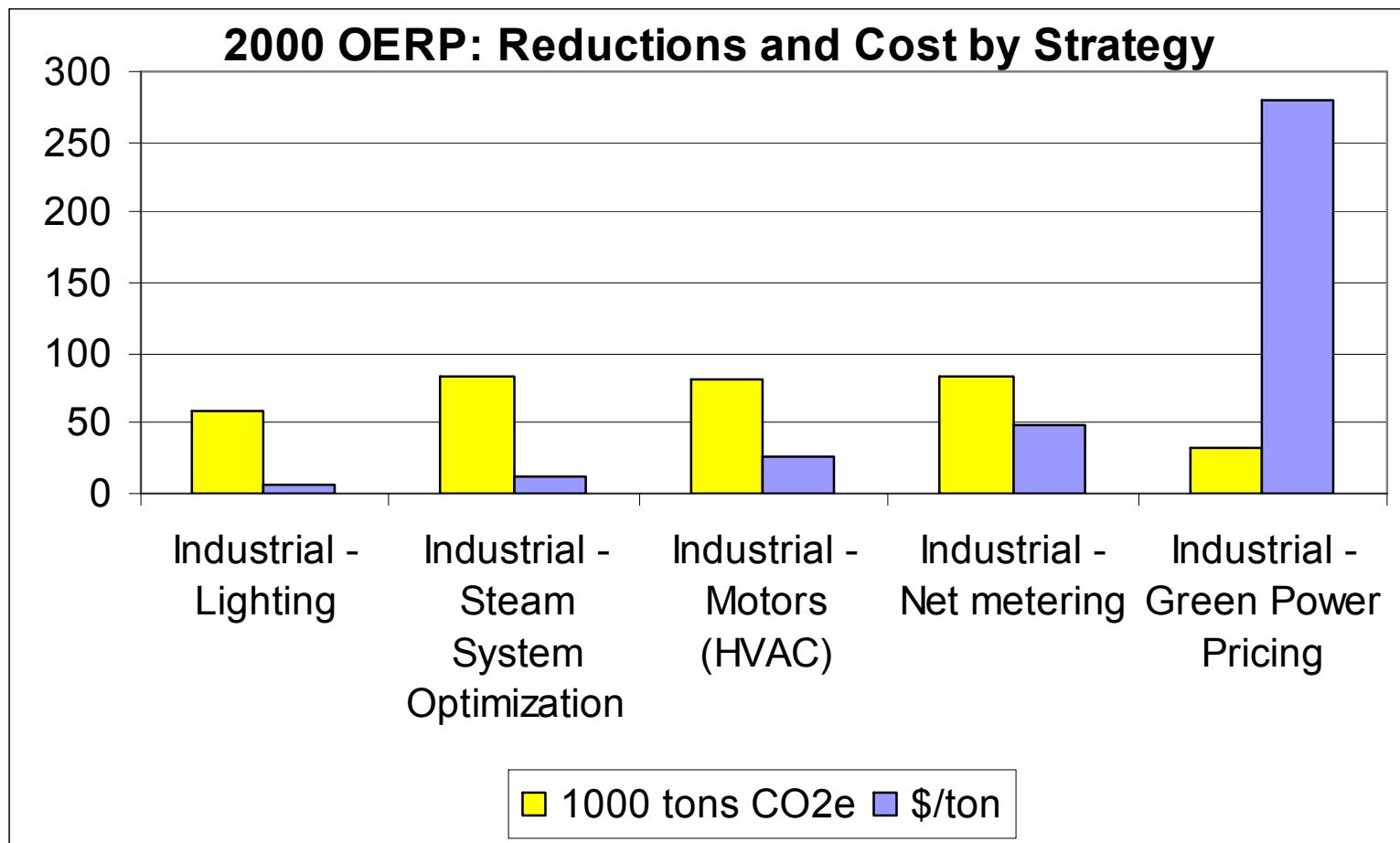
# NM vs. AZ: Per Capita GHG Reductions by Strategy



# NM vs. AZ: \$/ton Reduced by Strategy



# 2000 Utah: Reductions and Cost



# Questions?



# GHG Industrial Sector

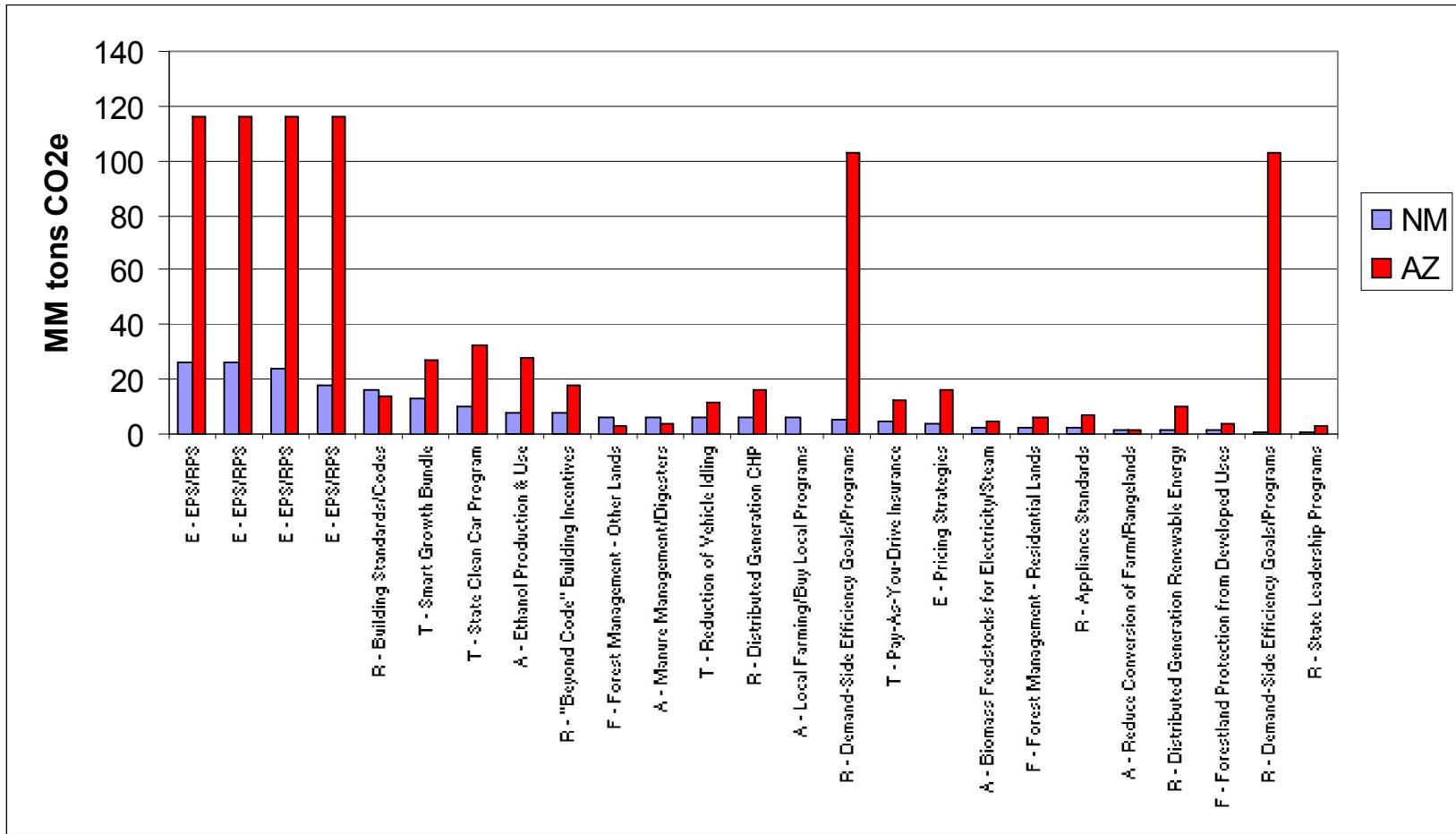
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(Million Metric Tons CO <sub>2</sub> e)		1990	2000	2005	2010	2020	Explanatory Notes for Projections
Res/Comm/Non-Fossil Ind (RCI)		14.1	15.7	12.2	13.7	16.3	
	Coal	5.1	5.1	1.4	1.5	1.6	Based on USDOE regional projections
	Natural Gas	6.5	8.3	7.7	8.7	10.7	Based on USDOE regional projections
	Oil	2.4	2.3	3	3.4	4	Based on USDOE regional projections
	Wood (CH <sub>4</sub> and N <sub>2</sub> O)	0.02	0.03	0.02	0.02	0.02	Based on USDOE regional projections
<b>Fossil Fuel Industry</b>		<b>2.7</b>	<b>3.2</b>	<b>4.3</b>	<b>4.5</b>	<b>4.7</b>	
	Natural Gas Industry	0.8	1.8	1.9	2.1	2.4	Historical trends and USDOE regional
	Oil Industry	0.4	0.3	0.3	0.3	0.2	projections
	Coal Mining (Methane)	1.4	1.1	2.1	2.1	2.1	Held flat at 2004 levels

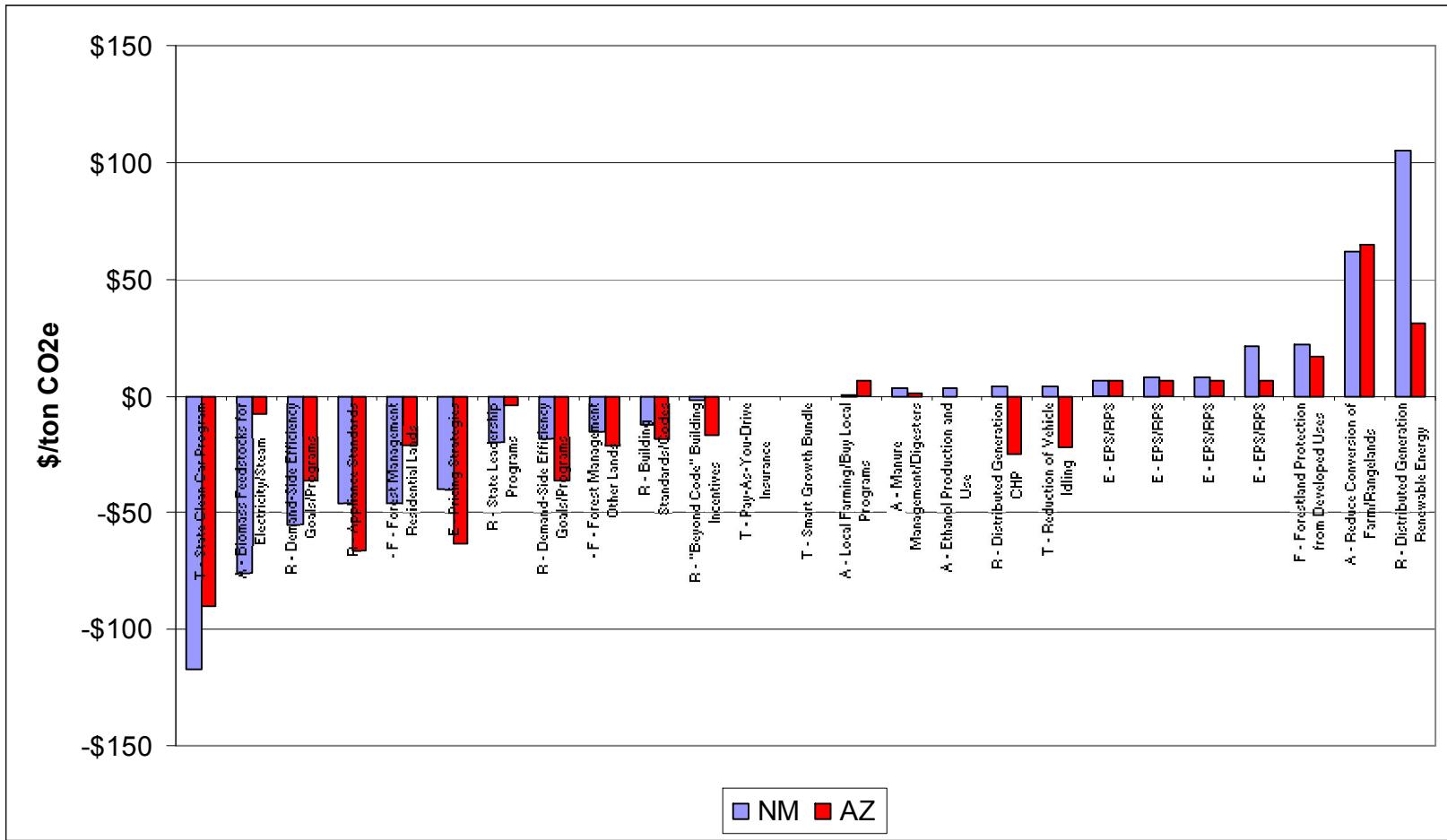
# GHG Industrial Sector (continued)

Industrial Processes		2.2	2.8	3.7	4.3	5.8	
	Cement Manufacture	0.5	0.8	0.9	0.9	1.1	Utah manufacturing employment growth
	Lime Manufacture	0.3	0.5	0.6	0.7	0.8	Utah manufacturing employment growth
	Limestone and Dolomite Use	0.04	0.1	0.1	0.1	0.1	Utah manufacturing employment growth
	Nitric Acid Production	0.2	0.1	0.1	0.1	0.1	Utah manufacturing employment growth
	ODS Substitutes	0.002	0.6	1.1	1.6	2.7	EPA 2004 ODS cost study report
	Semiconductor Manufacture	0.002	0.005	0.003	0.002	0.001	Based on national projections (USEPA)
	Magnesium Production	1	0.7	0.9	0.9	1.1	Utah manufacturing employment growth
	SF <sub>6</sub> from Electric Utilities	0.2	0.1	0.1	0.1	0.04	Based on national projections (USEPA)

# NM & AZ: Reduction



# NM & AZ: Cost



# 2000 OERP: Feasible reductions and cost by strategy

